



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): **Yhean-Sen Lai and Kannan Rajamani**

*#2*

APPLICATION NO. **10/016,438**

EXAMINER: N/A

FILED: **December 10, 2001**

GROUP ART UNIT: 2642

TITLE: **EFFICIENT PCM MODEM**

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\* \* \* \* \*

**MAR 05 2002**

CERTIFICATE OF MAILING

**Technology Center 2600**

I hereby certify that this correspondence, along with any papers indicated as being enclosed, are being deposited as First Class Mail, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on February 14, 2002.

*February 14, 2002*  
Date

*Rita C. Clancy*  
Rita C. Clancy

\* \* \* \* \*

Commissioner for Patents  
Washington, D.C. 20231

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**Information Disclosure Statement  
Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98**

Sir:

Pursuant to Applicants' duty of disclosure set forth in 37 CFR §§1.56, 1.97 and 1.98, the following information is disclosed to aid the Examiner in his or her examination of the application. The inclusion of information in this Disclosure Statement and as set forth on the attached Forms PTO-1449 is not necessarily a concession that such information is prior art to the present invention or that such information is in an art area analogous to the present invention. Copies of the publications listed on the attached Forms PTO-1449 are submitted herewith.

It is respectfully requested that the Examiner initial Forms PTO-1449 and return a copy of same upon consideration of these publications.

Since this Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits, no fee or certification is required.

Respectfully submitted,

Date 2/14/02

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<b>INFORMATION DISCLOSURE STATEMENT</b>	Case No. LAI 21-8 Serial No. 10/016,438 Applicant: Lai et al. Filing Date: December 10, 2001 Group: 2642
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**U.S. PATENT DOCUMENTS**

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA	4,866,647	09/12/1989	Farrow	364	724.1	02/04/1998
AB	6,240,128	05/29/2001	Banerjea et al.	375	222	06/11/1998
AC						
AD						
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AJ						
AK						

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**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Subclass	Translation
AL					
AM					
AN					
AO					
AP					

**OTHER (including Author, Title, Date, Pertinent Pages, etc.)**

AR	J. Cioffi and J. Bingham, "A Data Multitone Echo Cancellor", IEEE Transaction on Communications, Vol. 42, No. 10, October 1994, pages 2853-2869
AS	R. Schafer and L. Rabiner, "A Digital Signal Processing Approach to Interpolation", Proceedings of the IEE, Vol. 61, No. 6, June 1973, pages 692-702
AT	
AU	
AV	

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.